

LCTPC activities @ NIKHEF

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LCTPC related activities @ Nikhef in 2016/17

- Participation in Bonn 160-Ingrids (Timepix1) LP beam test 2015
 - Analysis of above data (Peter Kluit)
- TimePix3+Ingrid (IZM; single-chip device): Fred Hartjes et al
 - Kevin Heijhof (shared PhD Bonn-Nikhef): laser data taken, analysis ongoing
- Implementation GEM gating grid in existing Octopuce LP module (Jan T.)
- Generic R&D on Ingrids (e.g. Ceramic grids, improved protection layers etc.)
- Development Timepix3+Ingrids Quad module (all LEPCOL group)
 - Design mechanics/electronics ready: end-of-March 2017; start testing
 - 4-Quad (16 Timepix3) module: ~ end-of-May
- Later: “engineering” study of few full LP modules with Ingrids
- Tracking software development/analysis pixelised (full) TPC (PhD student)